The Series 3500 Smart Differential Pressure Transmitter is a microprocessor-based high performance transmitter, which has flexible pressure calibration, push button configuration, and is programmable using HART® Communication. The Series 3500 is capable of being configured for differential pressure or level applications with the zero and span buttons. A field calibrator is not required for configuration. The transmitter software compensates for thermal effects, improving performance. EEPROM stores configuration settings and stores sensor correction coefficients in the event of shutdowns or power loss. The Series 3500 can be configured to be ATEX or IECEX approved for use in hazardous (classified) locations. The rangeability allows the smart transmitter to be configured to fit any application.

FEATURES/BENEFITS
• High accuracy (±0.075% FS)
• Rangeability (up to 25:1)
• Completely Configurable using zero/span buttons (no calibrator required)
• Fail-mode process function
• Automatic ambient temperature compensation

APPLICATIONS
• Flow measurement
• Level monitoring
• Filter or pump differential pressure
• Critical process monitoring

SPECIFICATIONS
- Service: Compatible gases, steam, liquids or vapors.
- Wetted Materials: 316L SS.
- Accuracy: ±0.075% FS (@ 20°C).
- Rangeability: Up to 25:1 turn down.
- Stability: ±0.075% FS/03 years.
- Temperature Limits: -40 to 185°F (-40 to 120°C) ambient.
- Thermal Effect: < ±0.05% span/10°C.
- Power Requirements: 10 to 55 VDC.
- Output Signal: 4 to 20 mA.
- Response Time: 16 to 480 ms (programmable).
- Damping Time: 0 to 60 seconds.
- Electrical Connection: Packing gland M20x1.5, two 1/2˝ female NPT conduit, screw terminal.
- Process Connections: 1/4˝ female NPT.
- Agency Approvals: CE.

ACCESSORIES
- Model Description
  - A-630 Stainless steel angle type bracket with SS bolts
  - A-631 Stainless steel flat type bracket with SS bolts
  - BBV-0N 2-valve block manifold
  - DevCom2000 HART® communication protocol software

Note: Bar ranges are also available.